

ABSTRACT

5 An improved method of characterizing the potential financial benefit to a facility such  
as a nuclear power plant that would result from various groups of possible activities includes  
determining a number of goals for the facility, identifying groups of activities that could  
effect achievement of the goal and, for each group of activities, determining a probability  
distribution on net present savings corresponding with implementation of the group of  
activities. The method includes identifying a number of operational parameters having an  
10 uncertainty and allowing the uncertainty to propagate through the method to provide the  
probability distribution on net present savings. A plurality of Monte Carlo trials are  
performed on the operational parameters to result in the probability distribution on net  
present savings that corresponds with implementation of the group of activities compared  
with a baseline group of activities.